Electronic
Technical Data Sheet
BALVER ZINN SOLDER WIRE LF3135 NC

Lead-free cored solder wire with activated rosin flux

General Information

BALVER ZINN SOLDER WIRE LF3135 NC is a new development for lead-free soldering applications, when activators containing halide are allowed. **BALVER ZINN SOLDER WIRE LF3135 NC** allows optimal soldering results with low flux contents. The standard flux content is 2.2%. **BALVER ZINN SOLDER WIRE LF3135 NC** is a No-Clean formulation, despite its content of halides and can be used for difficult soldering applications without cleaning. Typical applications for **LF3135 NC** include manual soldering, automatic soldering and rework. **LF3135 NC** is offered in diameters from 0.3 mm to 3.5 mm and is available in lead-free alloys **SN100C, SN96C** and **SN97C**. Lead-containing wires or special alloys are available on request. **SN96C** and **SN97C** are in accordance to **J-STD-006B!**

*__BALVER ZINN SOLDER WIRE LF3135 NC__ does not contain hazardous substances beyond the limits prescribed by EU Directive 2011/65/EU ("RoHS II")

Further information is available in the **BALVER ZINN information „5 golden rules for hand soldering".** Technical information and Data Sheets can be found on our website (www.BALVERZINN.com). You can also obtain all information and documents directly from **BALVER ZINN**.

BALVER ZINN Production Programme

The **BALVER ZINN** production programme also includes solder bar, solder pastes and flux. In addition to the **SN100C** product family, **BALVER ZINN** offers additional unpatented and patented solder alloys for wave soldering, reflow and rework.

Product Properties

- Flux classified according to J-STD-004 as: **REM1**
- Solder classified according to EN 61190-1-3 as: **REM1**
- RoHS* compliant with lead-free alloys
- Bright and shiny solder joints with SN100C
- Ensures good wetting and flow during the soldering process
- Clear, dry, non-sticky residues

Physical and Chemical Properties of flux LF3135 NC

Acid value: J-STD-004; IPC-TM-650, Method 2.3.13; 06/04 A	195mg KOH/g ± 5%
Copper mirror test: J-STD-004; IPC-TM-650, Method 2.3.32; 06/04 D	M
Silver chromate test: J-STD-004; IPC-TM-650, Method 2.3.33; 06/04 D	not passed
Solid content, flux: J-STD-004; IPC-TM-650, Method 2.3.34; 06/04 C	n. d.
Bromide und Chloride Test: J-STD-004; IPC-TM-650, Method 2.3.35; 06/04 C	1,00% ± 0,2
Fluoride after spot test: J-STD-004; IPC-TM-650, Method 2.3.35.1; 06/04 A	passed
Insulation resistance: J-STD-004; IPC-TM-650, Method 2.6.3.3; 06/04 B	> 1x10 E8 Ohm
Corrosion test: J-STD-004; IPC-TM-650, Method 2.6.15; 06/04 C	passed

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BALVER ZINN®

Reels

Weight	0.25 / 0.4 kg	0.5 / 1.0 kg	0.4 / 0.8 kg
Marking	63/37	BZ	K80
Height	63 mm	80 mm	80 mm
Outside diameter	63 mm	76 mm	80 mm
Inside diameter	11 mm	30 mm	16 mm
Reels./carton)	10	10	10

Physical Properties of lead-free Alloys

LF3135 NC is available with the following, lead-free alloys:

Alloy	Composition	Melting point (°C)
SN100C	SnCu0.7Ni	227
SnCu0.7	SnCu0.7	227
SN96C	SnAg3.8Cu0.7	217
SN97C	SnAg3.0Cu0.5	217 – 218

Delivery Sizes

Parameter	Standard
Wire diameter (mm)	0.3/0.4/0.5/0.6/0.8/1.0/1.5/ 2.0/2.5/3.0/3.5
Flux content (weight-%)	2.2

*Other diameters, flux contents and features available on request

Storage Conditions / Durability

Dry at room temperature / minimum 2 years shelf life.

Safety Advice

Before use please refer to the appropriate Safety Data Sheet.

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